

METHOD AND APPARATUS FOR POWDER PAINTING A MANUFACTURED ARTICLE

SPECIFICATION

CROSS REFERENCE TO RELATED APPLICATIONS

This application is the US national phase of PCT
5 application PCT/EP2003/006598, filed 23 June 2003, published 18
November 2004 as WO 2004/098786, and claiming the priority of
Italian patent application MI2003A000918 itself filed 7 May 2003,
whose entire disclosures are herewith incorporated by reference.

FIELD OF THE INVENTION

10 The present invention relates to a method and apparatus
for the application of powder painting on a manufactured article.
Powder painting is currently used very widely in the field of
surface decoration to imitate a wood finish on metal sections
normally destined for manufacturing window and door frames.

15 The painting method traditionally used comprises a
first step for the application of a first layer of base coat,
followed by a step for fixing said layer by means of partial
paint polymerization, a successive step comprising the
application of a second decorative layer of paint, and a final
20 step comprising the baking method to complete the polymerization
of the two layers of paint.

Traditional painting methods present certain drawbacks
that restrict wide scale industrial application, above all in the